

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING

ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _____

Source: _____

Date Processed by STIC: _____

10/576,752 A
IFWO
11/24/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWO

RAW SEQUENCE LISTING

DATE: 11/24/2006

PATENT APPLICATION: US/10/576,752A

TIME: 14:52:23

Input Set : N:\efs\11_20_06\10576752a_efs\10576752_REVSeqList.txt

Output Set: N:\CRF4\11242006\J576752A.raw

3 <110> APPLICANT: Sirna Therapeutics, Inc.
4 James, McSwiggen
5 Ivan, Roberts
7 <120> TITLE OF INVENTION: RNA Interference Mediated Inhibition of GPRA and AAA1 Gene
8 Expression Using Short Interfering Nucleic Acid (siNA)
10 <130> FILE REFERENCE: 400/227 (MBHB04-423-A)
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/576,752A
C--> 13 <141> CURRENT FILING DATE: 2006-04-21
15 <150> PRIOR APPLICATION NUMBER: US 60/570,086
16 <151> PRIOR FILING DATE: 2004-05-11
18 <150> PRIOR APPLICATION NUMBER: PCT/US04/16390
19 <151> PRIOR FILING DATE: 2004-05-24
21 <150> PRIOR APPLICATION NUMBER: US 10/826,966
22 <151> PRIOR FILING DATE: 2004-04-16
24 <150> PRIOR APPLICATION NUMBER: PCT/US04/13456
25 <151> PRIOR FILING DATE: 2004-04-30
27 <150> PRIOR APPLICATION NUMBER: US 10/780,447
28 <151> PRIOR FILING DATE: 2004-02-13
30 <150> PRIOR APPLICATION NUMBER: US 60/292,217
31 <151> PRIOR FILING DATE: 2001-05-18
33 <150> PRIOR APPLICATION NUMBER: US 60/362,016
34 <151> PRIOR FILING DATE: 2002-03-06
36 <150> PRIOR APPLICATION NUMBER: US 60/363,883
37 <151> PRIOR FILING DATE: 2001-07-20
39 <150> PRIOR APPLICATION NUMBER: US 60/311,865
40 <151> PRIOR FILING DATE: 2001-08-13
42 <150> PRIOR APPLICATION NUMBER: US 10/727,780
43 <151> PRIOR FILING DATE: 2003-12-03
46 <150> PRIOR APPLICATION NUMBER: US 60/543,480
47 <151> PRIOR FILING DATE: 2004-02-10
49 <150> PRIOR APPLICATION NUMBER: US 10/757,803
50 <151> PRIOR FILING DATE: 2004-01-15
52 <150> PRIOR APPLICATION NUMBER: US 10/720,448
53 <151> PRIOR FILING DATE: 2003-11-24
55 <150> PRIOR APPLICATION NUMBER: US 10/693,059
56 <151> PRIOR FILING DATE: 2003-10-23
58 <150> PRIOR APPLICATION NUMBER: US 10/444,853
59 <151> PRIOR FILING DATE: 2003-05-23
61 <150> PRIOR APPLICATION NUMBER: US 10/427,160
62 <151> PRIOR FILING DATE: 2003-04-30
65 <150> PRIOR APPLICATION NUMBER: PCT/US03/05346
66 <151> PRIOR FILING DATE: 2003-02-20
68 <150> PRIOR APPLICATION NUMBER: PCT/US03/05028

CP8-10)
Does Not Comply
Corrected Diskette Needed
CP8-9)

RAW SEQUENCE LISTING

DATE: 11/24/2006

PATENT APPLICATION: US/10/576,752A

TIME: 14:52:23

Input Set : N:\efs\11_20_06\10576752a_efs\10576752_REVSeqList.txt

Output Set: N:\CRF4\11242006\J576752A.raw

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69 <151> PRIOR FILING DATE: 2003-02-20
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72 <151> PRIOR FILING DATE: 2002-02-20
74 <150> PRIOR APPLICATION NUMBER: US 60/363,124
75 <151> PRIOR FILING DATE: 2002-03-11
77 <150> PRIOR APPLICATION NUMBER: US 60/386,782
78 <151> PRIOR FILING DATE: 2002-06-06
80 <150> PRIOR APPLICATION NUMBER: US 60/406,784
81 <151> PRIOR FILING DATE: 2002-08-29
83 <150> PRIOR APPLICATION NUMBER: US 60/408,378
84 <151> PRIOR FILING DATE: 2002-09-05
86 <150> PRIOR APPLICATION NUMBER: US 60/409,293
87 <151> PRIOR FILING DATE: 2002-09-09
89 <150> PRIOR APPLICATION NUMBER: US 60/440,129
90 <151> PRIOR FILING DATE: 2003-01-15
92 <150> PRIOR APPLICATION NUMBER: PCT/US02/15876
93 <151> PRIOR FILING DATE: 2002-05-17
95 <160> NUMBER OF SEQ ID NOS: 810
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sense region

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DATE: 11/24/2006

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Input Set : N:\efs\11_20_06\10576752a_efs\10576752_REVSeqList.txt

Output Set: N:\CRF4\11242006\J576752A.raw

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162 <213> ORGANISM: Artificial Sequence
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171 <210> SEQ ID NO: 7
172 <211> LENGTH: 19
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185 <212> TYPE: RNA
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188 <220> FEATURE:
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193 augccagcca acucacag 19
196 <210> SEQ ID NO: 9
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198 <212> TYPE: RNA
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201 <220> FEATURE:
202 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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209 <211> LENGTH: 19
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sense region

216 <400> SEQUENCE: 10

RAW SEQUENCE LISTING

DATE: 11/24/2006

PATENT APPLICATION: US/10/576,752A

TIME: 14:52:23

Input Set : N:\efs\11_20_06\10576752a_efs\10576752_REVSeqList.txt

Output Set: N:\CRF4\11242006\J576752A.raw

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229 cuggauucuu ccccagugg 19
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241 gcuugcacug aaacaguga 19
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250 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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270 <212> TYPE: RNA
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273 <220> FEATURE:
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277 uccuucua cuacuccuuua 19
280 <210> SEQ ID NO: 16
281 <211> LENGTH: 19
282 <212> TYPE: RNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region

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288 <400> SEQUENCE: 16
289 aagacugagc aaugauaa

19

RAW SEQUENCE LISTING

DATE: 11/24/2006

PATENT APPLICATION: US/10/576,752A

TIME: 14:52:23

Input Set : N:\efs\11_20_06\10576752a_efs\10576752_REVSeqList.txt

Output Set: N:\CRF4\11242006\J576752A.raw

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319 <212> TYPE: RNA
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sense region
326 <400> SEQUENCE: 19
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331 <211> LENGTH: 19
332 <212> TYPE: RNA
333 <213> ORGANISM: Artificial Sequence
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sense region
338 <400> SEQUENCE: 20
339 uccacaugga ggagaaaga 19
342 <210> SEQ ID NO: 21
343 <211> LENGTH: 19
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345 <213> ORGANISM: Artificial Sequence
347 <220> FEATURE:
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354 <210> SEQ ID NO: 22
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356 <212> TYPE: RNA
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359 <220> FEATURE:
360 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
362 <400> SEQUENCE: 22

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363 uucuuuguga cucagcugg
366 <210> SEQ ID NO: 23

19

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<210> SEQ ID NO 789
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<212> TYPE: DNA
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<220> FEATURE:
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<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: (1)..(19)
<223> OTHER INFORMATION: ribonucleotide modified as described
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<223> OTHER INFORMATION: 5'-3' attached terminal deoxyabasic moiety, inverted
abasic,
inverted nucleotide or other terminal cap
<220> FEATURE:
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<223> OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moiety, inverted
abasic,
inverted nucleotide or other terminal cap
<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: (20)..(21)
<223> OTHER INFORMATION: n stands for any nucleotide
<400> SEQUENCE: 789
nnnnnnnnnn nnnnnnnnnn n

? 'n' can Represent
single nucleotide only.

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/576,752ADATE: 11/24/2006
TIME: 14:52:24Input Set : N:\efs\11_20_06\10576752a_efs\10576752_REVSeqList.txt
Output Set: N:\CRF4\11242006\J576752A.raw**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:789; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:790; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:791; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:792; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:793; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:794; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:795; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:796; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:797; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:799; Line(s) 16512
Seq#:800; Line(s) 16585
Seq#:801; Line(s) 16662
Seq#:803; Line(s) 16769
Seq#:806; Line(s) 16978
Seq#:807; Line(s) 17001
Seq#:808; Line(s) 17013

VERIFICATION SUMMARY

DATE: 11/24/2006

PATENT APPLICATION: US/10/576,752A

TIME: 14:52:24

Input Set : N:\efs\11_20_06\10576752a_efs\10576752_REVSeqList.txt

Output Set: N:\CRF4\11242006\J576752A.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:16196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:789 after pos.:0
L:16229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:790 after pos.:0
L:16257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:791 after pos.:0
L:16291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:792 after pos.:0
L:16326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:793 after pos.:0
L:16360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:794 after pos.:0
L:16395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:795 after pos.:0
L:16430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:796 after pos.:0
L:16464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:797 after pos.:0